

# 2016 Infiniti Q50 Sports Sedan – 2.0t

Technical Specifications, Features and Options

**Note: 2016 Infiniti Q50 3.0L and Q50 Hybrid specifications available at [InfinitiNews.com](http://InfinitiNews.com)**

<b>ENGINE</b>	
Type	DOHC 16-valve turbocharged inline-4 cylinder
Orientation	Longitudinal
Cylinders / configuration	Inline 4 with resin coated pistons
Block / head composition	Aluminum-alloy/aluminum-alloy
Displacement (liters / cc)	2.0 liters / 1,991 cc
Horsepower	208 hp @ 5,500 rpm
Torque	258 lb-ft @ 1,500 – 3,500 rpm
Bore x stroke (mm)	83.0 x 92.0
Compression ratio (:1)	9.8
Maximum engine speed	6,300 rpm
Induction system	Direct fuel injection
Valvetrain	4 valves per cylinder, Variable Valve Timing Control system
Mounts	Front Rear
	2 liquid-filled 1 liquid-filled, 1 solid
Idle stop-start system	Standard
Required fuel	Premium unleaded
Emissions system	Closed loop feedback system with 2 catalysts
Emission certification level	LEV3-ULE125/Tier3-Bin125
Exhaust	Dual with finishers

<b>ELECTRICAL</b>	
Electronic (direct) ignition system	S
150 amp alternator	
1.7 kW starter	
Q85-MF battery, 75 Ah	

<b>DRIVETRAIN</b>	<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
Front engine/rear-wheel drive	S (RWD)	S (RWD)
Front engine/ATESSA ET-S® all-wheel drive	S (AWD)	S (AWD)
Transmission type	7-speed automatic w/Sport mode and Downshift Rev Matching	
Adaptive Shift Control	S	
Hill Start Assist	S	
Gear ratios (:1)	<b>1<sup>st</sup></b>	4.783
	<b>2<sup>nd</sup></b>	3.103
	<b>3<sup>rd</sup></b>	1.984
	<b>4<sup>th</sup></b>	1.371
	<b>5<sup>th</sup></b>	1.000
	<b>6<sup>th</sup></b>	0.871
	<b>7<sup>th</sup></b>	0.776
	<b>Rev.</b>	3.859
Final drive ratio (:1)	2.937	
Advanced Vehicle Dynamic Control (VDC) with cancellation switch	S	

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<b>BODY, SUSPENSION AND STEERING</b>		<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
Body type	Unibody	High-strength steel corrosion-resistant, aluminum hood	
Front suspension		Independent double-wishbone w/31.8 mm stabilizer bar	
Rear suspension		Multi-link independent w/20.0 mm stabilizer bar	
Twin-tube shock absorbers		S	
Steering type		Power-assisted, vehicle-speed-sensitive rack-and-pinion – Hydraulic Electric	
Steering ratio		16.7:1	
Turns (lock-to-lock)		2.87	
Turning diameter (feet)	RWD AWD	36.7 37.4	

<b>BRAKES</b>		<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
Power-assisted vented disc (in.)	Front 12.6 x 1.1 Rear 12.1 x 0.6	S	
Electronic Brake force Distribution		S	
Brake Assist with Preview Braking Function		S	
4-wheel/4-channel/4-sensor Anti-lock Braking System (ABS)		S	
Active Trace Control (ATC)		S	
Parking brake		Foot-operated	

<b>WHEELS AND TIRES</b>		<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
<b>Wheels</b>			
Aluminum-alloy	17x7.5-in machine finish	S	
<b>Tires</b>			
Run Flat All-Season	Bridgestone 225/55RF17	S	
Temporary T145/70R18 spare		O	

<b>EXTERIOR DIMENSIONS (inches)</b>		<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
Wheelbase		112.2	
Overall length		188.3	
Overall width		71.8	
Overall height	RWD AWD	56.8 57.2	
Front track width		60.8	
Rear track width		61.6	
Minimum ground clearance	RWD AWD	5.0 5.0	
Coefficient of Drag (Cd)		0.26	

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<b>EXTERIOR FEATURES AND OPTIONS</b>	<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
Signature LED headlights (LED high/low beam), daytime running lights		S
Automatic on/off		S
Front LED fog lights and turn signals (mounted in lower fascia)		S
Body-color dual power controlled heated outside mirrors		S
Auto dimming outside mirrors with reverse synchronization, memory feature	-	P
Tinted glass power moonroof with rear tilt feature, sliding sunshade, one-touch operation	P	S
Speed-sensing flat-blade variable intermittent front windshield wipers		S
Rain-sensing front windshield wipers	-	P
Front door handle courtesy lights		S
Dual chrome exhaust finishers		S

<b>INTERIOR DIMENSIONS (inches)</b>	<b>Front</b>	<b>Rear</b>
Headroom without moonroof	40.2	37.5
Headroom with moonroof	39.5	36.8
Shoulder room	56.7	56.1
Hip room	53.2	52.5
Legroom	44.5	35.1

<b>INTERIOR FEATURES AND OPTIONS</b>	<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
Leatherette seating surfaces	S	S
Leather-appointed seats	-	P
8-way power driver's seat w/manual adjustable lumbar support	S	S
8-way power front passenger's seat	S	S
60/40 split-folding rear seat	-	P
Leather-covered steering wheel with illuminated audio and cruise control buttons		S
Heated steering wheel	-	S
Fine Vision electroluminescent instrumentation		S
Infiniti InTouch™ dual display system with upper 8" and lower 7" VGA LCD touch screens		S
Infiniti InTouch™ Apps		S
Infiniti Controller		S
Infiniti InTuition™: a fully customizable digital environment for storing driver settings to Intelligent Key		S
"Kacchu" finish aluminum trim		S

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Aluminum sill plates w/ "Infiniti" script		S
Heated front seats	-	P
Around View <sup>®</sup> Monitor with Moving Object Detection (MOD)	-	P
RearView Monitor		S
HomeLink <sup>®</sup> Universal Transceiver	-	S
Bluetooth <sup>®</sup> Hands-free Phone System with hands-free text messaging assist.		S
Dual Zone Automatic Temperature Control with microfiltration		S
Memory system for driver's seat, steering wheel and outside mirror	-	P
Driver's seat, steering wheel and outside mirrors position synchronization	-	P
Power tilt and telescope steering wheel with entry/exit assist	-	P
Rear Sonar System	-	P
60/40 split folding rear seat	-	P
Fold-down rear center armrest with trunk pass-through feature	-	P
Rear window defroster with indicator light and timer		S
Illuminated entry system with time delay fade-out		S
Front seatback pockets		S
Cruise control w/ steering wheel mounted controls		S
Power windows with front one-touch auto-up/down with auto-reverse feature, remote keyless entry operable		S
Remote trunk release, electromagnetic trunk opener		S
Locking glove compartment with light		S
Driver and front-passenger sun visors with extenders and illum. vanity mirrors		S
Dual overhead map lights w/ sunglasses holder		S
Rear seat reading lights		S
Cupholders, 4 front, 2 rear		S
Infiniti Intelligent Key system with push button ignition		S
Trunk illumination and hooks (4)		S
Front armrest with storage compartment, 12-volt power outlets (2), auxiliary jack, video input and two USB connection ports		S
Retained accessory power for windows and moonroof (if equipped)		S

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<b>INSTRUMENTATION</b>	
Analog speedometer, tachometer, coolant temperature and fuel gauges and white electroluminescent instrumentation	S
Odometer with dual trip meters	
Multi-function trip computer display w/instant fuel economy, driving time, outside temperature, distance to empty, average speed, average fuel economy	

<b>AUDIO AND NAVIGATION SYSTEMS</b>	<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
6-speaker audio system with RDS, MP3 playback capability and in-dash CD player	S	-
Infiniti Studio on Wheels by Bose® Premium Audio system with 14 speakers, Bose® Centerpoint® simulated sound, CD player, RDS and MP3 playback capability	-	S
HD radio		S
Speed sensing volume control		S
Two USB inputs, aux input and video input		
Rear window in-glass diversity antenna		S
SiriusXM® Satellite Radio (SiriusXM subscription required, sold separately)		S
SiriusXM® Travel Link with access to weather, fuel prices, stocks, sports and movie times (SiriusXM® subscription required, sold separately; late availability)		S
Steering-wheel mounted audio controls		S
Infiniti Voice Recognition		S
Infiniti InTouch™ with Navigation and Infiniti InTouch™ Services, with lane guidance and 3D building graphics, voice recognition for navigation functions, including one-shot voice destination entry, Infiniti InTouch™ Services with six months of safety, security and convenience services, SiriusXM® Traffic, including real-time traffic information (SiriusXM® subscription required, sold separately)	-	P

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<b>CAPACITIES</b>	
Seating capacity	5
Interior passenger volume (cu. ft.)	100.0 w/moonroof, 101.9 w/o moonroof
Trunk volume (cu. ft.)	13.2
Fuel tank (gals.)	20.0
Engine oil (qts.)	TBD
Engine coolant (qts.)	9.5

<b>CURB WEIGHTS (lbs)</b>	<b>Q50 2.0t RWD</b>	<b>Q50 2.0t AWD</b>	<b>Q50 2.0t Premium RWD</b>	<b>Q50 2.0t Premium AWD</b>
Front	1,975	1,986	2,090	2,103
Rear	1,691	1,719	1,708	1,735
Total	3,666	3,705	3,798	3,838
Weight distribution (% fr/rr, w/ driver)	54/46	54/46	55/45	55/45
GVWR (lbs.)	TBD	TBD	TBD	TBD

<b>SAFETY AND SECURITY FEATURES</b>	<b>RWD</b>	<b>AWD</b>
City	23	22
Highway	31	28
Combined	26	24
EPA Classification	Mid-size cars	

<b>SAFETY AND SECURITY FEATURES</b>	<b>Q50 2.0t</b>	<b>Q50 2.0t Premium</b>
Advanced Air Bag System (AABS) with dual-stage supplemental front air bags with occupant classification sensor	S	
Front seat-mounted side impact supp. air bags		
Roof-mounted curtain side impact supplemental air bags for front and rear-seat outboard occupant head protection		
LATCH System (Lower Anchors and Tethers for CHildren)		
Front seat belts with pretensioners and load limiters		
Zone Body construction		
Power window lockout function		
Shift interlock system		
Energy-absorbing steering column		
Vehicle Security System with indicator light and Infiniti Vehicle Immobilizer System		
Remote Keyless Entry system with panic alarm		
Vehicle Dynamic Control (VDC)		
Tire Pressure Monitoring System (TPMS)		
Blind Spot Warning (BSW)	-	P
Backup Collision Intervention (BCI) with Rear Cross Traffic Alert (RCTA)	-	P
Predictive Forward Collision Warning (PFCW)	-	P
Forward Emergency Braking (FEB)	-	P

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PACKAGES AND OPTIONS	Q50 2.0t	Q50 2.0t Premium
<b>Moonroof Package:</b> Power tilt and sliding tinted glass moonroof with one-touch open/close and sliding sunshade	O	-
<b>Spare Tire Package:</b> Temporary spare tire and wheel	-	O
<b>Leather Seating Package:</b> Leather-appointed seating	-	O
<b>Premium Plus Package 2.0t:</b> Auto-dimming outside mirrors; power tilt and telescoping steering wheel with memory and easy entry; memory function for driver's seat and outside mirrors (with reverse link); Infiniti InTouch™ with Navigation with Lane Guidance and 3-D building graphics; Infiniti InTouch™ Services, including one year of safety, security and convenience services; SiriusXM® Traffic, including real-time traffic information (SiriusXM® subscription required, sold separately); Voice Recognition for navigation functions, including one-shot voice destination entry; 60/40 split fold-down rear seat with center armrest and pass-thru; power lumbar driver's seat; heated steering wheel; driver/front passenger heated seats	-	O
<b>Driver Assistance Package:</b> Forward Emergency Braking (FEB); Predictive Forward Collision Warning (PFCW); rain sensing wipers; Around View® Monitor with Moving Object Detection (MOD); Blind Spot Warning (BSW); Backup Collision Intervention (BCI) with Rear Cross Traffic Alert (RCTA)	-	O

**O** – Optional

**S** – Standard

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